

Product Datasheet

Anti-SK2 potassium channel Antibody FL490 Conjugate



Overview

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| Catalog # | 75-403-FL490 |
| Conjugate | FL490 Ex: 491 nm, Em: 515 nm |
| Isotype | IgG1 |
| Clone Number | K78/29 |
| Size | 200 µL |
| Concentration | 0.5 mg/mL |
| Host Species | Mouse Monoclonal |
| Format | Purified by Protein A chromatography |
| Buffer | PBS with 0.09% azide |
| Applications | ICC, IHC |
| Species Reactivity | Human, Mouse, and Rat |
| Immunogen | Synthetic peptide amino acids 546-562 (ENYDKHVTYNAERSRSS, cytoplasmic C-terminus) of rat SK2 (accession number P70604) |
| Molecular Weight | 50-80 kDa (and larger due to isoforms and dimerization/aggregation) |
| Cite this Antibody | Antibodies Inc Cat# 75-403-FL490, RRID: AB_2940328 |

Details

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| Target Description | Potassium calcium-activated channel subfamily N member 2 is encoded by the gene KCNN2. KCNN2 is a member of the potassium KCNN family, KCa2.2/KCNN2 subfamily. KCNN2 is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. Activation of KCNN2 leads to membrane hyperpolarization. KCNN2 is expressed in the brain. Diseases associated with KCNN2 include Dyskeratosis Congenita, Autosomal Dominant 3 and Coronary Aneurysm. |
| Specificity | Does not cross-react with other SK channels |
| Purification Method | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody. |
| Quality Control Tests | Each new lot of antibody is quality control tested by IHC on either rat or mouse brain and confirmed to give the expected staining pattern. |

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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